



RECEIVED  
CENTRAL FAX CENTER

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEP 21 2007

In re application of  
PIETIG

Atty. Docket  
DE 020318

Serial: 10/538,580

Group Art Unit: 2817

Filed: 06/15/2005

Examiner: JONES, STEPHEN E

## NON-RECIPROCAL CIRCUIT ELEMENT

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Michael Ure  
(Name)

Michael 9/21/07  
(Signature and Date)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE--PRE-APPEAL REVIEW

Sir:

The following Remarks are responsive to the Office Action of 08/06/2007.

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RESPONSE—PRE-APPEAL REVIEW

Sir:

The following Remarks are responsive to the Office Action of 08/06/2007.

REMARKS

The Office Action of 08/06/2007 has been carefully considered. Reconsideration in view of the present remarks is respectfully requested.

Claims 2, 3 and 5 were indicated as containing allowable subject matter, which indication is appreciatively acknowledged.

Claims 1 and 4 were rejected as being unpatentable over Marusawa in view of Maruhashi. This rejection is respectfully traversed and reconsideration respectfully requested.

Maruhashi teaches, in an arrangement having opposed disks of hard magnetic material and soft magnetic material, replacing the disk of soft magnetic material with a disk of hard magnetic material and eliminating the former disk of hard magnetic material. *The disks are formed separately from an assembly in which they are assembled.* (See US Patent 5,419,947 referenced by Maruhashi.)

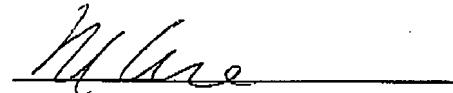
Applying a similar substitution to the primary reference Marusawa would not have been obvious to one of ordinary skill in the art. In particular, neither reference teaches or suggests a specific hard magnetic material suitable for use in the fabrication technique of Marusawa in which the magnetic material would be applied as a sinterable foil in the course of fabrication in like manner as layers of other materials. There is no evidence that such a hard magnetic material, capable of being worked in this manner, would have been known to or readily ascertainable by one of ordinary skill in the art.

To draw an analogy, the bodily insertion of a discrete resistor or discrete capacitor into an integrated circuit would not be obvious—because it is unworkable. The use of

integrated resistors and capacitors in an integrated circuit is obvious because these structures are known. In like manner, the bodily insertion of a separately formed hard magnet into the apparatus of the primary reference would not have been obvious because it is unworkable. Furthermore, there is no teaching of record that a suitable technique for forming a sinterable foil of hard magnetic material was known.

Withdrawal of the rejections and allowance of claims 1-5 is respectfully requested.

Respectfully submitted,



Michael J. Ure, Reg. 33,089

Dated: 09/21/2007